

0590  
2523

# 4

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## RAW SEQUENCE LISTING

DATE: 05/31/2002

PATENT APPLICATION: US/10/021,955

TIME: 08:25:32

Input Set : A:\P02086US1.txt

Output Set: N:\CRF3\05312002\J021955.raw

p.6

3 <110> APPLICANT: Lupski, James R  
 4 Boerkoel, Cornelius F  
 5 Takashima, Hiroshi  
 7 <120> TITLE OF INVENTION: Defects in Periaxin Associated with Myelinopathies  
 9 <130> FILE REFERENCE: P02086US1/10026309  
 11 <140> CURRENT APPLICATION NUMBER: US 10/021,955  
 12 <141> CURRENT FILING DATE: 2001-12-13  
 14 <150> PRIOR APPLICATION NUMBER: US 60/255,217  
 15 <151> PRIOR FILING DATE: 2000-12-13  
 17 <160> NUMBER OF SEQ ID NOS: 93  
 19 <170> SOFTWARE: PatentIn version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 5502  
 23 <212> TYPE: DNA  
 24 <213> ORGANISM: human  
 26 <400> SEQUENCE: 1

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33	agctgctcca	tgcagaactg	aagctggttc	tgcagcagaa	aggggagagg	acacaggagc	240
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39	gcatcaacgt	agcggggcggc	ggcaaagagg	gaatcttcgt	tcgggagctg	cgcgaggact	420
41	caccgcgcgc	caggagcctc	agcctgcagg	aaggggacca	gctgctgagt	gcccagagtgt	480
43	tcttcgagaa	cttcaagtac	gaggacgcac	tacgcctgct	gcaatgcgcc	gagccttaca	540
45	aagtctcctt	ctgcctgaag	cgcactgtgc	ccaccgggga	cctggctctg	cggcccggga	600
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69	actgtcccac	cgcctcctgc	ctctctcctc	tctccccaga	acatccagag	tctgtccccc	1320
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87	gtggagctgc	ctgccttgcc	ctcactgccc	actctgccc	cacttccctg	cctagagacc	1860
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93	ctgaagatgc	ccgccttag	ttttccccga	tttggggctc	gagcaaagga	agttgctgag	2040
95	gccaaggtag	ccaaggtcag	ccctgaggcc	agggtgaaag	gtcccagact	tcgaatgcc	2100
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155	gctgaggcca	aaggggctgg	ggaggcaggc	ctgctgcctg	ccctcgatct	gtccatccca	3900
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165	gaagttcaag	gtgatcgtgc	cagcccgggg	gaaaaggctg	agtccaccgc	tgtgcagctt	4200
167	aagatccccg	aggtggagct	ggtcacgctg	ggcgcccagg	aggaaggagg	ggcagagggg	4260
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171	gtcactgagg	gccatgacgc	ggggctgagg	atgcctccgc	tgggcatctc	cctgccacag	4380
173	gtggagctga	cggcttttg	ggaggcaggt	accccagggc	agcaggctca	gagtacagtc	4440
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183 aggggtgggg gcgagggtgc tgaggagcag cccccagggg ccgagcgtac cttctgcctc 4740
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187 gagggggagg gagaggccgg acacaagctc aaggtacggc tgccccggtt tggcctggtg 4860
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207 aggtgggtga ctgaccaggg ctggcaggga ggctgctcc tgtctctctg gcaggagtgc 5460
209 ctgtacccca ccaagccatg tgaataaaat aatctggaag ta 5502

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212 &lt;210&gt; SEQ ID NO: 2

213 &lt;211&gt; LENGTH: 147

214 &lt;212&gt; TYPE: PRT

215 &lt;213&gt; ORGANISM: human

217 &lt;400&gt; SEQUENCE: 2

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220 1 5 10 15
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224 20 25 30
227 Asn Val Ala Gly Gly Gly Lys Glu Gly Ile Phe Val Arg Glu Leu Arg
228 35 40 45
231 Glu Asp Ser Pro Ala Ala Arg Ser Leu Ser Leu Gln Glu Gly Asp Gln
232 50 55 60
235 Leu Leu Ser Ala Arg Val Phe Phe Glu Asn Phe Lys Tyr Glu Asp Ala
236 65 70 75 80
239 Leu Arg Leu Leu Gln Cys Ala Glu Pro Tyr Lys Val Ser Phe Cys Leu
240 85 90 95
243 Lys Arg Thr Val Pro Thr Gly Asp Leu Ala Leu Arg Pro Gly Thr Val
244 100 105 110
247 Ser Gly Tyr Glu Ile Lys Gly Pro Arg Ala Lys Val Ala Lys Leu Val
248 115 120 125
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252 130 135 140
255 Ser Ala Pro
256 145

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260 &lt;211&gt; LENGTH: 19

261 &lt;212&gt; TYPE: DNA

262 &lt;213&gt; ORGANISM: Human

264 &lt;400&gt; SEQUENCE: 3

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19

268 &lt;210&gt; SEQ ID NO: 4

269 &lt;211&gt; LENGTH: 20

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271 <213> ORGANISM: HUMAN
273 <400> SEQUENCE: 4
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277 <210> SEQ ID NO: 5
278 <211> LENGTH: 18
279 <212> TYPE: DNA
280 <213> ORGANISM: HUMAN
282 <400> SEQUENCE: 5
283 acctgttgag cgccaatg 18
286 <210> SEQ ID NO: 6
287 <211> LENGTH: 20
288 <212> TYPE: DNA
289 <213> ORGANISM: Human
291 <400> SEQUENCE: 6
292 cccaaggcag attcctaacc 20
295 <210> SEQ ID NO: 7
296 <211> LENGTH: 20
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298 <213> ORGANISM: HUMAN
300 <400> SEQUENCE: 7
301 cgtgcaagtg ggcagaacta 20
304 <210> SEQ ID NO: 8
305 <211> LENGTH: 20
306 <212> TYPE: DNA
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313 <210> SEQ ID NO: 9
314 <211> LENGTH: 20
315 <212> TYPE: DNA
316 <213> ORGANISM: HUMAN
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319 aataccaggt ggggctcttc 20
322 <210> SEQ ID NO: 10
323 <211> LENGTH: 20
324 <212> TYPE: DNA
325 <213> ORGANISM: HUMAN
327 <400> SEQUENCE: 10
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332 <211> LENGTH: 18
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334 <213> ORGANISM: HUMAN
336 <400> SEQUENCE: 11
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341 <211> LENGTH: 20
342 <212> TYPE: DNA

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Input Set : A:\P02086US1.txt

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345 <400> SEQUENCE: 12
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350 <211> LENGTH: 20
351 <212> TYPE: DNA
352 <213> ORGANISM: HUMAN
354 <400> SEQUENCE: 13
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358 <210> SEQ ID NO: 14
359 <211> LENGTH: 20
360 <212> TYPE: DNA
361 <213> ORGANISM: HUMAN
363 <400> SEQUENCE: 14
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367 <210> SEQ ID NO: 15
368 <211> LENGTH: 20
369 <212> TYPE: DNA
370 <213> ORGANISM: HUMAN
372 <400> SEQUENCE: 15
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377 <211> LENGTH: 20
378 <212> TYPE: DNA
379 <213> ORGANISM: Human
381 <400> SEQUENCE: 16
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386 <211> LENGTH: 20
387 <212> TYPE: DNA
388 <213> ORGANISM: Human
390 <400> SEQUENCE: 17
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394 <210> SEQ ID NO: 18
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396 <212> TYPE: DNA
397 <213> ORGANISM: HUMAN
399 <400> SEQUENCE: 18
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404 <211> LENGTH: 20
405 <212> TYPE: DNA
406 <213> ORGANISM: Human
408 <400> SEQUENCE: 19
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413 <211> LENGTH: 20
414 <212> TYPE: DNA
415 <213> ORGANISM: HUMAN
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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:31; N Pos. 579  
Seq#:32; N Pos. 384  
Seq#:34; N Pos. 78,88  
Seq#:35; N Pos. 11  
Seq#:41; N Pos. 75,107,108,141,156,171  
Seq#:44; N Pos. 21  
Seq#:46; N Pos. 570  
Seq#:60; N Pos. 383  
Seq#:61; N Pos. 62  
Seq#:64; N Pos. 521  
Seq#:66; N Pos. 441,447,545  
Seq#:67; N Pos. 572